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Standards and Technical News: AES-X85 Detailed Professional Microphone Specifications (S). 53:4, p. 326 (2005); 53:7/8, p. 635 (2005)

Standards and Technical News: Summary Report of the SC-04-04 Working Group on Microphone Measurement and Characterization (S). 53:4, p. 326 (2005); 53:7/8, p. 635 (2005)

MINIATURE LOUDSPEAKERS

Acoustic Analysis and Design of Miniature Loudspeakers for Mobile Phones. Bai, Mingsian R.; Liao, Jerwoei, 53:11, 1061–1076 (2005)

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Acoustic Analysis and Design of Miniature Loudspeakers for Mobile Phones. Bai, Mingsian R.; Liao, Jerwoei, 53:11, 1061–1076 (2005)

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Multiple Piano Note Identification Using a Spectral Matching Method with Derived Patterns. Ortiz-Berenguer, Luis I.; Casajús-Quirós, Francisco Javier; Torres-Guijarro, Soledad, 53:1/2, pp. 32–43 (2005)

MOUTH RADIATION CHARACTERISTICS

Directivity of Artificial and Human Speech (ER). Halkorsaari, Teemu; Vaalgamaa, Markus; Karjalanen, Matti, 53:7/8, pp. 620–631 (2005)

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Multichannel Audio Systems and Techniques (F). 53:4, pp. 329–335 (2005)

MUSIC REPRESENTATION

Evaluation of Iterative Methods for Wavetable Matching (ER). Wun, Simon; Horner, Andrew, 53:9, pp. 826–835 (2005)

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Multiple Piano Note Identification Using a Spectral Matching Method with Derived Patterns (ER). Ortiz-Berenguer, Luis I.; Casajús-Quirós, Francisco Javier; Torres-Guijarro, Soledad, 53:1/2, pp. 32–43 (2005)

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Large-Signal Analysis of Class A Vacuum Triode Push-Pull Output Stage (ER). Abuelma'atti, Muhammad Taher, 53:6, pp. 509–517 (2005)

NONLINEARITIES IN AIR

New Type of Acoustic Filter Using Periodic Polymer Layers for Measuring Audio Signal Components Excited by Amplitude-Modulated High-Intensity Ultrasonic Waves. Toda, Minoru, 53:10, pp. 930–941 (2005)

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OPTICAL SIGNAL PROCESSING

Reconstruction of Recorded Sound from an Edison Cylinder Using Three-Dimensional Noncontact Optical Surface Metrology (ER). Fadeyev, Vitaliy; Haber, Carl; Maul, Christian; McBride, John W.; Golden, Mitchell, 53:6, pp. 485–508 (2005)

PARAMETRIC INTERPOLATION

Long Interpolation of Audio Signals Using Linear Prediction in Sinusoidal Modeling. Lagrange, Mathieu; Marchand, Sylvain; Rault, Jean-Bernard, 53:10, pp. 891–905 (2005)

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Measuring and Predicting Perceived Audio Quality (F). 53:5, pp. 443–448 (2005)

PERCEPTUAL MODELS

A New Cognitive Model for Objective Assessment of Audio Quality. Barbedo, Jayme Garcia Arnal; Lopes, Amauri, 53:1/2, pp. 22–31 (2005)

PHASE OPTIMIZATION

Low Peak Amplitudes for Group Additive Synthesis. Horner, Andrew; Wun, Simon, 53:6, pp. 475–484 (2005)

PSYCHOPHYSICS

Development and Evaluation of a Model for Predicting the Audibility of Time-Varying Sounds in the Presence of Background Sounds. Glasberg, Brian R.; Moore, Brian C. J., 53:10, pp. 906–918 (2005)

RECORDED FLUXIVITY

Standards and Technical News: AES7-2000 (r2005) AES Standard for the Preservation and Restoration of Audio Recording—Method of Measuring Recorded Fluxivity of Magnetic Sound Records at Medium Wavelengths (S). 53:7/8, p. 633 (2005)

Standards and Technical News: Call for Comment: Reaffirmation of AES7-2000, AES Standard for the Preservation and Restoration of Audio Recording—Method of Measuring Recorded Fluxivity of Magnetic Sound Records at Medium Wavelengths (S). 53:4, p. 326 (2005)

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The Active Listening Room: A Novel Approach to Early Reflection Manipulation in Critical Listening Rooms. Naqvi, Amber; Rumsey, Francis, 53:5, pp. 385–402 (2005)

REPRODUCED SOUND

Some Thoughts on the Dynamics of Reproduced Sound (F). Thiele, Neville, 53:1/2, pp. 130–132 (2005)

RESTORATION OF AUDIO

Reconstruction of Recorded Sound from an Edison Cylinder Using Three-Dimensional Noncontact Optical Surface Metrology (ER). Fadeyev, Vitaliy; Haber, Carl; Maul, Christian; McBride, John W.; Golden, Mitchell, 53:6, pp. 485–508 (2005)

REVERBERATION

Optimal Design and Synthesis of Reverberators with a Fuzzy User Interface for Spatial Audio. Bai, Mingsian R.; Bai, Ganyuan, 53:9, pp. 812–825 (2005)

Synthesis of Room Responses Using Virtual Source Representation with Application in Reverberator Design. Bai, Mingsian R.; Ou, Kwuen-Yieng, 53:4, pp. 297–306 (2005)

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Artificial Reverberation Control Using Cepstrum Decomposition Keeping Locations of Peaks and Dips on the Frequency Responses. Takahashi, Yoshinori; Tohyama, Mikio, 53:12 pp. 1142–1151 (2005)

SERVO COMPENSATION OF MECHANICAL DEFECTS

Servo Control of Loudspeaker Cone Motion Using an Optical Linear Displacement Sensor (ER). Geiger, Wolfgang, 53:6, pp. 518–524 (2005)

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Standards and Technical News: AES48-2005, AES Standard on Interconnections—Grounding an dEMC Practices—Shields of Connnectors in Audio Equipment Containing Active Circuitry—Excerpts (S). 53:5, pp. 429–430 (2005)

SIGNAL PROCESSING

Artificial Reverberation Control Using Cepstrum Decomposition Keeping Locations of Peaks and Dips on the Frequency Responses. Takahashi, Yoshinori; Tohyama, Mikio, 53:12 pp. 1142–1151 (2005)

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Perception of Modal Distribution Metrics in Critical Listening Spaces—Dependence on Room Aspect Ratios. Fazenda, B. M.; Avis, Mark R.; Davies, W. J. 53:12, pp. 1128–1141 (2005)

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The Software Studio in the Age of Audio Networking (F). 53:1/2, pp. 124–129 (2005)

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Directional Measurement of Airborne Sound Transmission Paths Using a Spherical Microphone Array. Gover, Bradford N., 53:9, pp. 787–796 (2005)

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Standards and Technical News: AES-X083 Loudspeaker Polar Radiation Measurements (S). 53:3, pp. 215–216 (2005)

Standards and Technical News: Summary Report of the SC-0-01 Working Group (S). 53:3, pp. 215–216 (2005)

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Spatial Impulse Response Rendering I: Analysis and Synthesis. Merimaa, Juha; Pulkki, Ville, 53:12, pp. 1115–1127 (2005)

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The Active Listening Room: A Novel Approach to Early Reflection Manipulation in Critical Listening Rooms. Naqvi, Amber; Rumsey, Francis, 53:5, pp. 385–402 (2005)

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Spatial Impulse Response Rendering I: Analysis and Synthesis. Merimaa, Juha; Pulkki, Ville, 53:12, pp. 1115–1127 (2005)

Three-Dimensional Surround Sound Systems Based on Spherical Harmonics. Poletti, Mark A., 53:11, pp. 1004–1025 (2005)

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The Active Listening Room: A Novel Approach to Early Reflection Manipulation in Critical Listening Rooms. Naqvi, Amber; Rumsey, Francis, 53:5, pp. 385–402 (2005)

Synthesis of Room Responses Using Virtual Source Representation with Application in Reverberator Design. Bai, Mingsian R.; Ou, Kwuen-Yieng, 53:4, pp. 297–306 (2005)

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Spatial Impulse Response Rendering I: Analysis and Synthesis. Merimaa, Juha; Pulkki, Ville, 53:12, pp. 1115–1127 (2005)

SPEECH EXPANSION

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SPEECH INTELLIGIBILITY

Intercomparison Measurements of Room Acoustical Parameters and Measures for Speech Intelligibility in a Room with a Sound System. Eggenschwile, Kurt; Machner, Rainer, 53:3, pp. 193–204 (2005)

STANDARDS IN PRINT

Standards and Technical News: New Access to AES Standards in Print (S). 53:1/2, p. 54 (2005)

STANDARDS AND TECHNICAL NEWS

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Acoustics and Sound Source Modeling

AES-X83 Loudspeaker Polar Radiation Measurements Suitable for Room Acoustics (S). 53:9, p. 837 (2005); 53:12, p. 1165 (2005)

Summary Report of the SC-04-01 Working Group (S). 53:9, p. 837 (2005); 53:12, p. 1165 (2005)

Analog Recording

AES-R2-R Notations for Expressing Levels (S). 3:3, p. 214 (2005)

AES6-R Method for Measurement of Weighted Peak Flutter of Sound Recording and Reproducing Equipment (S). 3:3, p. 214 (2005)

Summary Report of the SC-03-01 Working Group (S). 53:3, p. 214 (2005)

Audio Connectors

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AES-X105 Modified XLR-3 Connnector for Digital Audio (S). 53:10, p. 944 (2005); 53:11, p. 1079 (2005)

AES-X113 Universal Female Phone Jack (S). 53:11, p. 1079 (2005)

AES-X123 XL Connectors to Improve Electromagnet Compatibility (S). 53:11, p. 1079 (2005)

AES-X130 Data Connector in a XL Connector Shell (S). 53:10, p. 944 (2005); 53:11, p. 1079 (2005)

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AES-X149 Format and Recommended Usage of the Direct Stream Digital Interchange File Format (DSDIFF) (S). 53:7/8, p. 634 (2005)

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AES-X137 Liaison with 1394 Trade Association (1394 TA) (S). 53:12, p. 1165 (2005)

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Draft AES50-xxxx, AES Standard for Digital Audio Engineering—High-Resolution Multichannel Audio Interconnection (HRMAI) (S). 53:5, p. 430 (2005)

Draft AES51-xxxx AES Standard for Digital Audio Digital Input-Out Intefacing Transmission of ATM Cells over Ethernet Physical Layer (S). 53:12, p. 1163 (2005)

Draft Revised AES-10-xxxx, AES Information Document for Digital Audio Engineering—Engineering Guidelines for the Multichannel Audio Digital Interface AES10 (MADI) (S). 53:1/2, pp. 54-55 (2005)

Reaffirmation of AES7-2000, AES Standard for the Preservation and Restoration of Audio Recording—Method of Measuring Recorded Fluxivity of Magnetic Sound Records at Medium Wavelengths (S). 53:4, p. 326 (2005)

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Call for Comment: Draft AES50-xxxx, AES Standard for Digital Audio Engineering—High-Resolution Multichannel Audio Interconnection (HRMAI) (S). 53:5, p. 430 (2005)

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Summary Report of the SC-04-04 Working Group on Microphone Measurement and Characterization (S). 53:4, p. 326 (2005); 53:7/8, p. 635 (2005)

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AES Standards—An Overview (S). 53:6, pp. 528–531 (2005)

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AES7-2000 (r2005) AES Standard for the Preservation and Restoration of Audio Recording—Method of Measuring Recorded Fluxivity of Magnetic Sound Records at Medium Wavelengths (S). 53:7/8, p. 633 (2005)

Call for Comment: Reaffirmation of AES7-2000, AES Standard for the Preservation and Restoration of Audio Recording—Method of Measuring Recorded Fluxivity of Magnetic Sound Records at Medium Wavelengths (S). 53:4, p. 326 (2005)

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AES-X146 Exteded Term Storage Environment for Multiple Media Archives (S). 53:3, p. 215 (2005); 53:10, p. 943 (2005); 53:11, p. 1079 (2005)

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AES35-R Review of AES35-2000 AES Standard for Audio Preservation and Restoration—Method for Estimating Life Expectancy of Magneto-Optical (M-O) Discs, Based on Effects of Temperature and Relative Humidity (S). 53:10, pp. 942–943 (2005)

AES38-R Review of AES38-2000 AES Standard for Audio Preservation and Restoration—Life Expectancy of Information Stored in Recordable Compact Disc Systems—Method for Estimating, Based on Effects of Temperature and Relative Humidity (S). 53:10, pp. 942–943 (2005)

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Standards and Technical News: AES-X153 Care and Handling Methods and Processes for High Density Hard Disc Drives (S). 53:10, p. 943 (2005); 53:11, p. 1079 (2005)

Standards and Technical News: AES35-R Review of AES35-2000 AES Standard for Audio Preservation and Restoration—Method for Estimating Life Expectancy of Magneto-Optical (M-O) Discs, Based on Effects of Temperature and Relative Humidity (S). 53:10, pp. 942–943 (2005)

Standards and Technical News: AES38-R Review of AES38-2000 AES Standard for Audio Preservation and Restoration—Life Expectancy of Information Stored in Recordable Compact Disc Systems—Method for Estimating, Based on Effects of Temperature and Relative Humidity (S). 53:10, pp. 942–943 (2005)

Standards and Technical News: Care and Handling of Hard Disc Drives (S). 53:3, p. 215 (2005)

Standards and Technical News: Optical Disc Life Expectancy (S). 53:10, p. 943 (2005)

Standards and Technical News: Summary Report of the SC-03-04 Working Group (S). 53:3, p. 215 (2005); 53:10, pp. 942–943 (2005); 53:11, p. 1079 (2005)

SUBJECTIVE TESTING

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